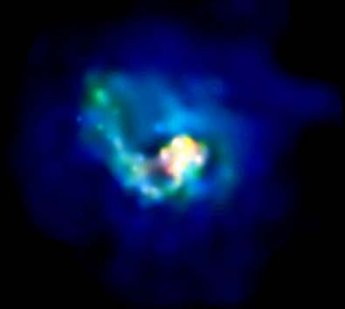
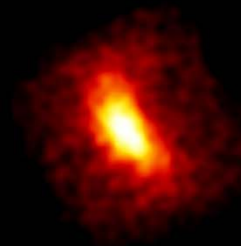
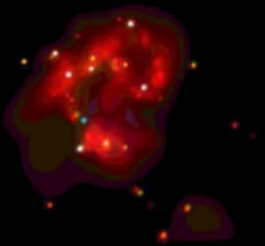




Constellation

The Constellation X-ray Mission

► Constellation-X FST Meeting



FST Agenda

Wednesday, February 15

9:30 – 10:30	Continental breakfast	
10:30 – 10:40	Welcome and Overview of Agenda and Logistics	Harvey Tananbaum
10:40 – 11:20	Project Overview	Jean Grady
11:20 – 12:00	Single Launch Configuration Studies	
	▪ Trades (20 min)	Mark Freeman
	▪ Details of Single Launch with 4 SXTs (20 min)	Gabe Karpati
12:00 – 12:30	Perspectives from Project Scientist	Nick White
12:30 – 13:45	Lunch Break — Food court in Galleria Mall	
13:45 – 14:45	Science Requirements Document Overview and Plans	Mike Garcia and Ann Hornschemeier
14:45 – 16:00	Science Talks — Session A (all 12 min w/3 min discussion)	Chaired by Ann Hornschemeier
	▪ Detectability of Fe K features in AGN	Chris Reynolds
	▪ Orbiting spots and the measure of the black hole mass in AGN	Giorgio Matt
	▪ The high redshift universe	Jill Bechtold
	▪ Studies of the interstellar medium	Norbert Schultz
	▪ Solid state astrophysics	Julia Lee
16:00 – 16:15	Break	
16:15 – 17:45	SXT Update	Chaired by Rob Petre
17:45 – 18:15	Discussion	

Adjourn Day 1

FST Agenda (cont.)

Thursday, February 16

7:15 – 8:15	Continental Breakfast	
8:15 – 9:45	Presentations on Grating Fabrication	Chaired by Jean Cottam
	<ul style="list-style-type: none"> Progress on grating fabrication (20 min) Thin grating assembly (15 min) CCD progress (25 min) Off-plane grating development (30 min) 	Mark Shattenburg Mireille Akilian George Ricker Webster Cash
9:45 – 10:45	Science Talks — Session B (12 min w/3 min discussion except as noted)	Chaired by Mike Garcia
	<ul style="list-style-type: none"> The Constellation-X dark energy task force response (25 min w/5 min discussion) AGN feedback in clusters AGN winds and cosmic feedback 	Steve Allen Paul Nulsen Martin Elvis
10:45 - 11:00	Break	
11:00 - 12:30	Presentations on Microcalorimeter Arrays	Chaired by Rick Shafer
	<ul style="list-style-type: none"> Transition-edge microcalorimeters (10 min) Transition-edge microcalorimeters (10 min) Position-sensitive transition-edge microcalorimeters (10 min) Magnetic calorimeters (10 min) In-flight performance of XRS and the future of implanted Si microcalorimeters (10 min) NTD Germanium-based XMS development (20 min) The QVD sensor as a focal plane instrument for Con-X (20 min) 	Caroline Kilbourne Kent Irwin Enectali Figueroa Simon Bandler Rich Kelley Eric Silver Kent Wood and Armen Gulian
12:30 – 13:30	Lunch Break – Food Court	

FST Agenda (cont.)

Thursday, February 16 (continued)

13:30 – 15:00	Presentations on Hard X-ray Telescope Optics and Detectors <ul style="list-style-type: none"> ▪ Integral optics for the Con-X HXT (30 min) ▪ Segmented multi-layer optics (20 min) ▪ Current status and future plans for mounting segmented HXT glass with error correcting monolithic assembly and alignment (20 min) ▪ Development of thick silicon detectors (20 min) 	Chaired by Ann Parsons Paul Gorenstein Finn Christensen Chuck Hailey Jim Kurfess
15:00 – 16:00	Science Talks – Session C (12 min w/3 min discussion) <ul style="list-style-type: none"> ▪ Deciphering the physics of supernova remnants ▪ The equation of state of dense matter ▪ Missing Baryons: WHIM studies ▪ The soft X-ray excess and absence of the SZ effect in clusters of galaxies 	Chaired by Jay Bookbinder Cara Rakowski Deepto Chakrabarty Fabrizio Nicastro Richard Lieu
16:00 – 16:15	Break	
16:15 – 17:15	Discussion on current technology status, science objectives, mission prospects and any other items of interest	Led by Harvey Tananbaum and Nick White
Adjourn		